

COMBINED DECLARATION AND PRINCIPAL POWER OF ATTORNEY  
FOR  
PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SOL-GEL PROCESSING WITH INORGANIC METAL SALT PRECURSORS**

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Vincent A. Branton	Registration No. 39,120
George L. Craig	Registration No. 29,293
J. Kenneth Davis	Registration No. 38,426
Joseph A. Marasco	Registration No. 32,798
James M. Spicer	Registration No. 26,096
Shelley L. Stafford	Registration No. 38,623

All of: Lockheed Martin Energy Research Corporation,  
P. O. Box 2009  
Oak Ridge, Tennessee 37831-8243

Please direct all correspondence and telephone calls to the individual identified in the Associate Power of Attorney.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor: Zhong-Cheng Lu

Inventor's Signature: [Signature]

Date: 9/15/99

Residence: 9430 Hoyle Beals Drive, Knoxville, Tennessee 37930

Citizenship: Peoples Republic of China

Post Office Address: 9430 Hoyle Beals Drive, Knoxville, Tennessee 37931

**ASSOCIATE POWER OF ATTORNEY  
FOR  
PATENT APPLICATION  
Pursuant to 35 C.F.R. §1.34**

Please recognize as Associate Attorney in this case:

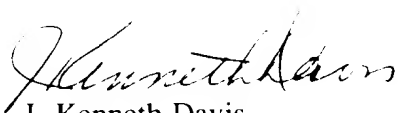
**SOL-GEL PROCESSING WITH INORGANIC METAL SALT PRECURSORS**

James Dean Johnson	Registration No. 31,771
Peter G. Pappas	Registration No. 33,205
Larry R. Roberts	Registration No. 31,871
Jeffrey E. Young	Registration No. 28,490
Collen A. Beard	Registration No. 38,824
Michael J. Mehrman	Registration No. 40,086

All of: JONES & ASKEW, LLP  
2400 Monarch Tower  
3424 Peachtree Road, N.E.  
(404) 949-2400

Please direct all correspondence and telephone calls to Collen A. Beard.

Respectfully submitted,



J. Kenneth Davis  
Registration No. 38,426  
Lockheed Martin Energy Research Corporation  
P.O. Box 2009  
Oak Ridge, TN 37831-8243